

Application No. 09/987,830
Response Dated 09/15/2005
Reply to Office Action of 08/10/2005

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Agent's Docket No. 12197-US

Amendments to the Drawings:

The attached sheet of drawings includes changes to Fig. 3, and replaces corresponding original sheet including Fig. 3. In Fig. 3, the data link entry 302 previously specifying connectivity information corresponding to data link 0002 has been amended to specify connectivity information corresponding to data link 0003.

Attachments: Fig. 3 Replacement Sheet
Fig. 3 Annotated Sheet Showing Changes

Remarks and Arguments:

In response to the Examiner's restriction requirement under 35 U.S.C. 121, applicant elects with traverse the invention claimed in claims 1 to 5 as amended. It is believed that the amended claims relate to a single inventive concept. The election is made with traverse because it is believed that claims 6 to 20 can be examined without further search or undue burden.

Claims 1 to 5 have been amended in format only to refocus these apparatus claims to a management and administration system for identifying/displaying data links irrespective of the channelization of the corresponding endpoint ports.

Selected withdrawn claims 6 to 20 have been recast as new claims 21 to 28 by recasting method of provisioning claims into corresponding claims relating to a method for identifying data links from a body of connectivity information and displaying data links on a management and administration interface irrespective of the channelization of the corresponding endpoint ports via virtual channelization of unchannelized ports. Recast claims 21 to 28 now refer to a optical network. Independent claim 21 now includes subject matter claimed withdrawn claims 6 and 15. Claim 22 includes recast subject matter of withdrawn claim 8. The subject matter of claim 23 is shown in Fig. 1. Claim 24 includes recast subject matter of withdrawn claim 16. Claim 25 includes recast subject matter of withdrawn claims 17 and 18. Claim 26 includes recast subject matter previously claimed in the wherein clause of withdrawn claim 18. Claims 27 and 28 respectively include subject matter of withdrawn claims 19 and 20.

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Paragraphs [13], [15], [16], [50], [61], and [67] have also been amended to correct clerical errors and to improve readability.

Fig. 3 has been amended to show the use of the virtual channelization of an unchannelized port as described in original paragraph [50] in storing and determining data link connectivity.

It is submitted that no additional subject matter has been introduced by the amendment.

Reconsideration and allowance are respectfully solicited.

Respectfully submitted,



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Appendix

Central Data Link Record															
Link ID	Origination							Destination							Link Capacity
	Node	Shelf	Slot	Card	Port	Port Type	Channel	Node	Shelf	Slot	Card	Port	Port Type	Channel	
0001	North	#	##	01	#	Chann'd	4 of 4	West	#	##	02	#	UnChann'd	(1 of 1)	
0002	North	#	##	02	#	Chann'd	11 of 16	South	#	##	01	#	Chann'd	3 of 4	
0003	North	#	##	02	#	Chann'd	13 of 16	East	#	##	01	#	UnChann'd	(1 of 1)	
0004	East	#	##	02	#	UnChann'd	(1 of 1)	South	#	##	01	#	Chann'd	2 of 4	
0005	South	#	##	02	#	UnChann'd	(1 of 1)	West	#	##	01	#	UnChann'd	(1 of 1)	
...	

202 212 214 218 216 220 222 224 212 214 218 216 220 222 224

204 208 210 206

FIG. 2

Nodal Data Link Record associated with the North Node								
Link ID	Shelf	Slot	Card	Port	Port Type	Channel	Rx/Tx	Link Capacity
0002	#	##	02	#	Chann'd	1 of 16	Output	OC-12
...

304
302

314 318 316 320 322 324 326

300 306

FAST

(b1)

300 306

Nodal Data Link Record associated with the South Node

Link ID	Shelf	Slot	Card	Port	Port Type	Channel	Rx/Tx	Link Capacity
0002	#	##	01	#	Chann'd	3 of 4	Input	OC-12
...

304 302

314 318 316 320 322 324 326

300 306

FIG. 3

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